

Figure 1

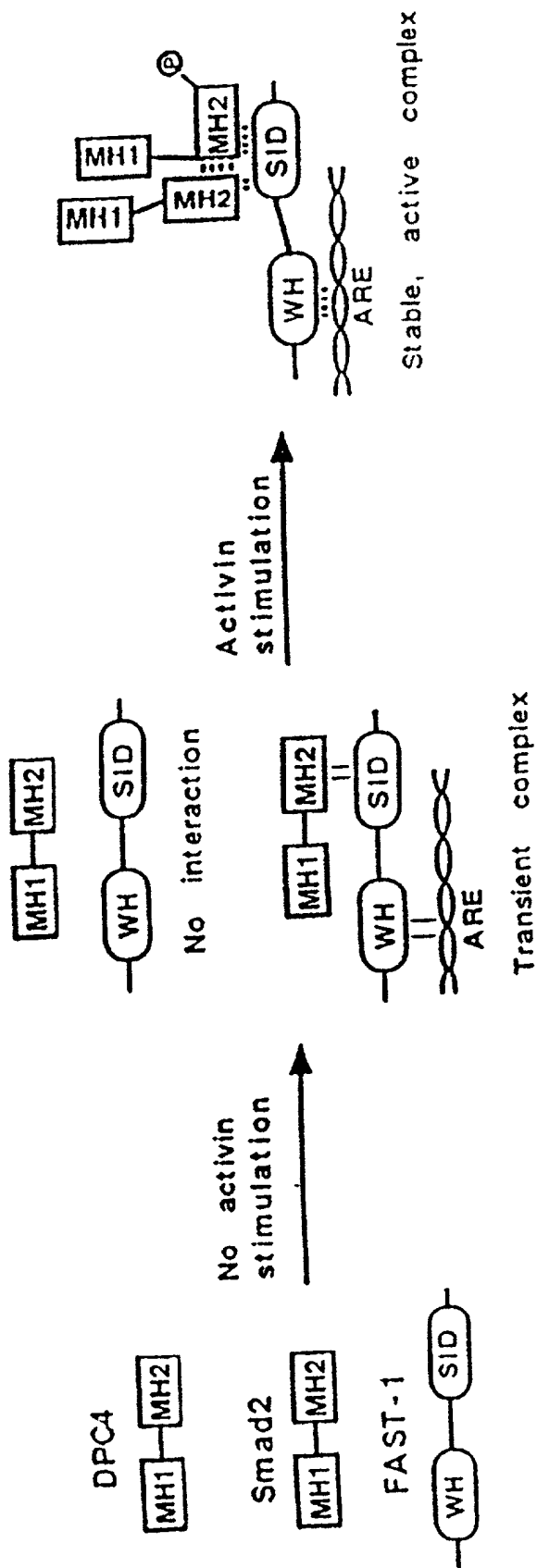


Figure 2

Smad4	-	-	-	-	+	+	-	-
Smad4-HA	-	+	+	-	-	-	+	+
Activin	-	-	-	+	+	+	+	+
Anti-HA antibody	-	-	+	-	-	+	-	+

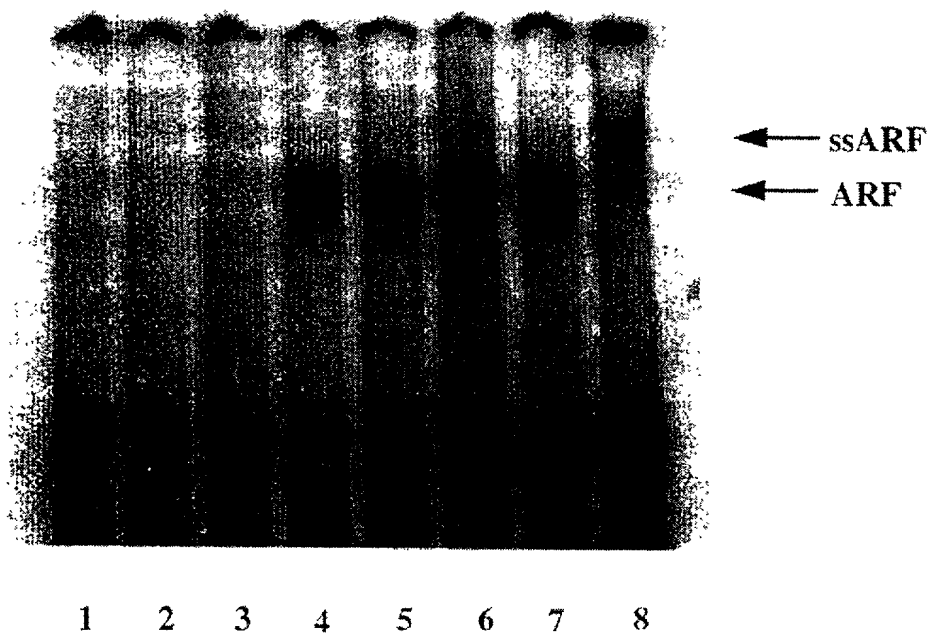


Figure 3

Anti-Myc antibody -	+	-	+
Anti-HA antibody -	-	+	+

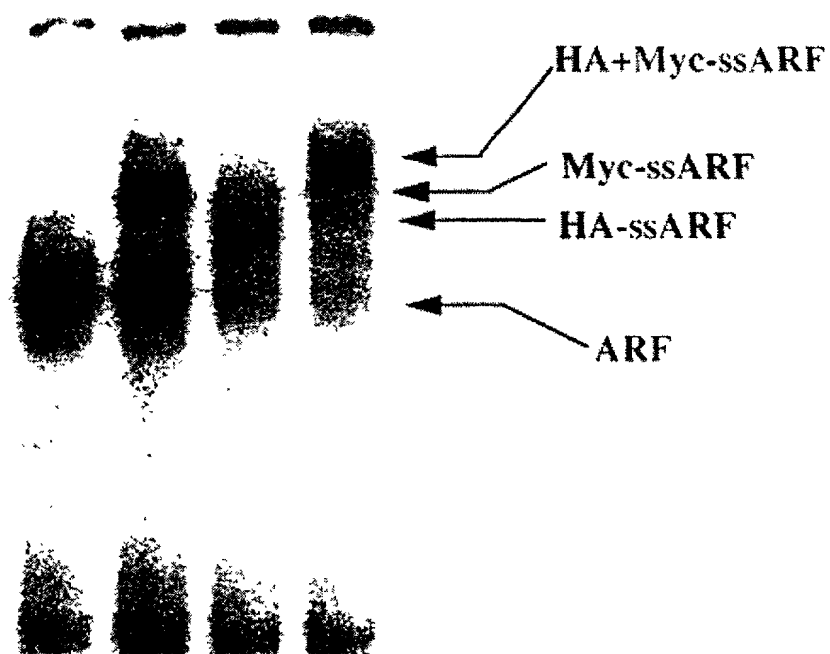
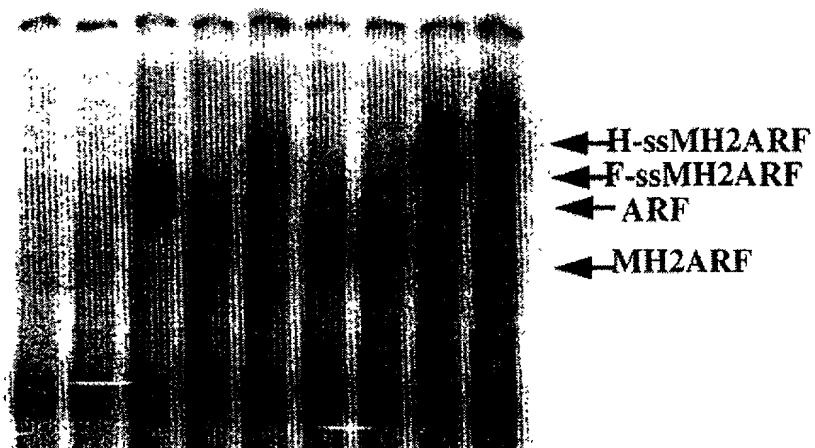


Figure 4

FLAG-Smad2MH2	-	+	-	+	+	+	+	+	+
Smad4-HA	-	-	-	-	-	-	+	+	+
Activin	-	-	+	+	+	+	+	+	+
anti-FLAG Ab	-	-	-	-	+	-	-	+	-
anti-HA Ab	-	-	-	-	-	+	-	-	+

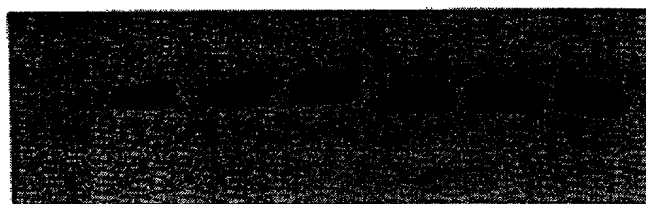


# Figure 5A

GST-FAST-1	+	-	+	+	-	+	+
Myc-Smad1	-	+	+	+	-	-	-
Myc-Smad2	-	-	-	-	+	+	+
Activin	-	-	-	+	-	-	+



GST-IP  
Myc Western

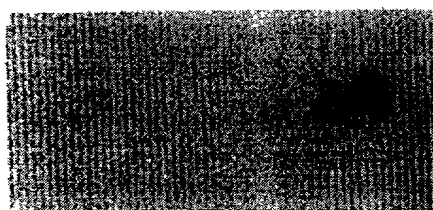


Cell lysate  
Myc Western

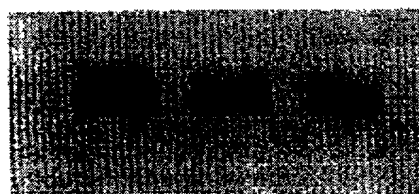
1 2 3 4 5 6 7

Figure 5B

Myc-Smad4	+	+	+
GST-FAST-1	-	+	+
Activin	-	-	+



GST-IP  
Myc Western



Cell lysate  
Myc Western

1 2 3

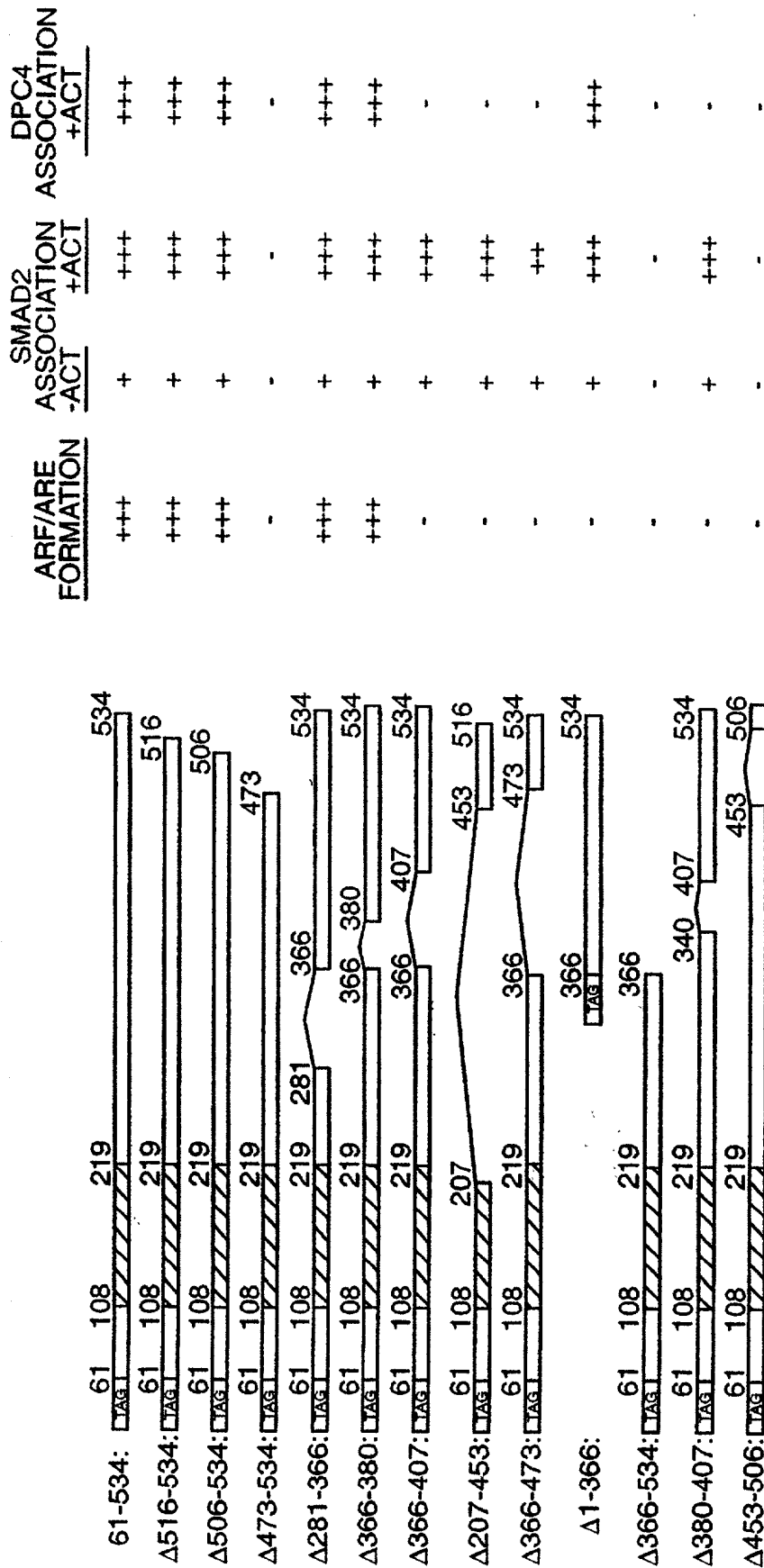


FIG. 6A

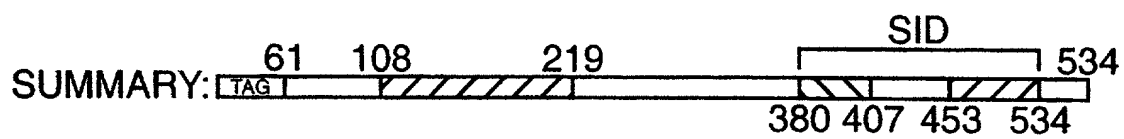


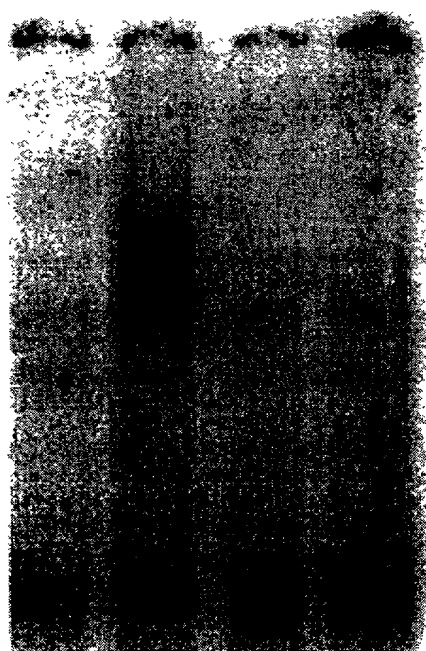
FIG. 6B



Figure 7

FAST-1 366-518    -    -    +    +

Activin            -    +    +    -



← ARF

1    2    3    4

# Figure 8A

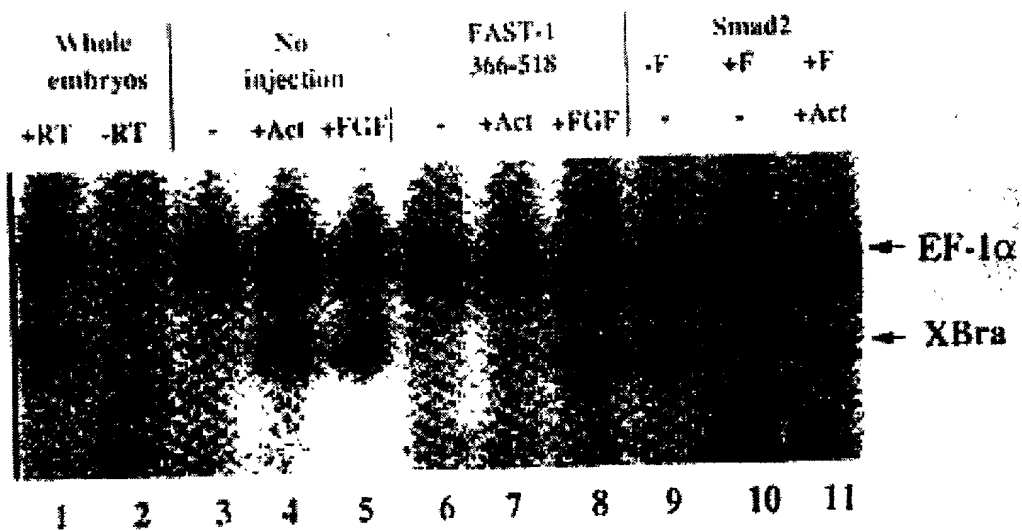
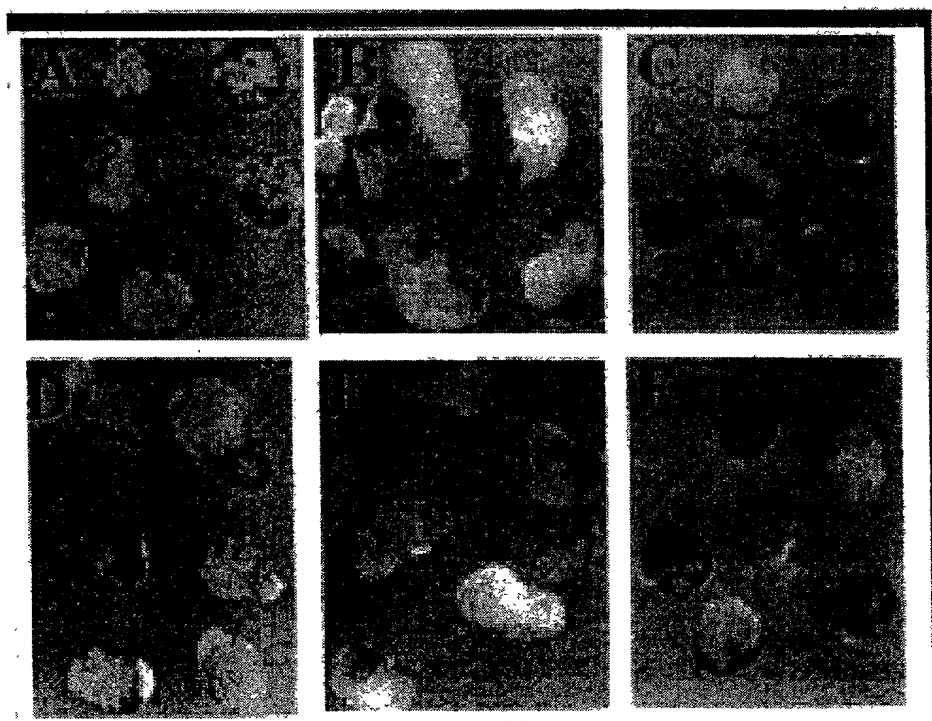
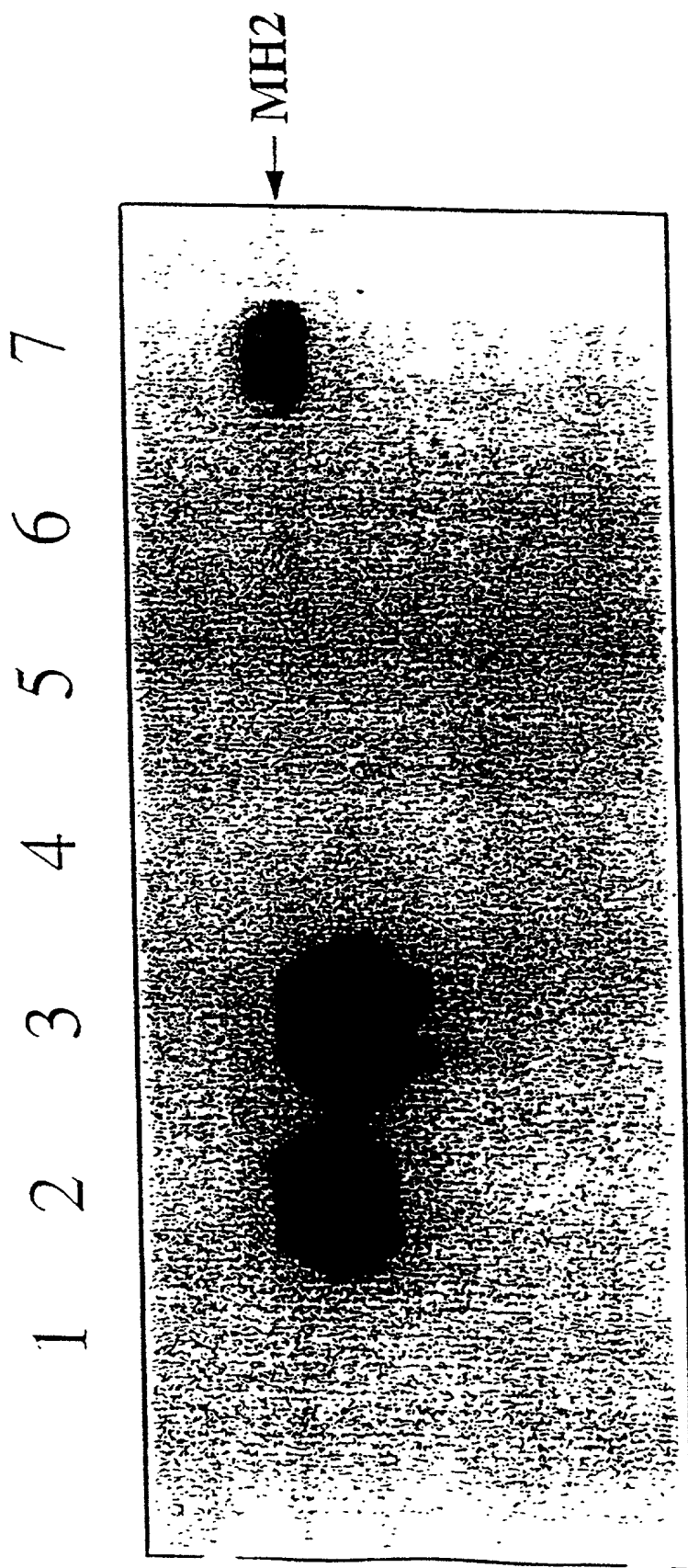


Figure 8B



Variable	Mean	SD	Min	Max	Median	Q1	Q3	Mode
Age	35.2	12.5	18	65	32	25	40	30
Gender	0.52	0.50	0	1	0	0	1	0
Marital Status	0.68	0.48	0	1	0	0	1	0
Education	12.5	2.1	8	16	12	11	13	12
Income	2500	1500	500	6000	2000	1000	3500	1500
Health	0.75	0.43	0	1	0	0	1	0
Smoking	0.35	0.48	0	1	0	0	1	0
Alcohol	0.25	0.44	0	1	0	0	1	0
Exercise	0.45	0.50	0	1	0	0	1	0
Stress	0.65	0.48	0	1	0	0	1	0
Sleep	0.55	0.50	0	1	0	0	1	0
Diet	0.40	0.50	0	1	0	0	1	0
Work	0.50	0.50	0	1	0	0	1	0
Family	0.60	0.49	0	1	0	0	1	0
Friends	0.55	0.50	0	1	0	0	1	0
Hobbies	0.45	0.50	0	1	0	0	1	0
Travel	0.30	0.46	0	1	0	0	1	0
Shopping	0.40	0.50	0	1	0	0	1	0
Reading	0.35	0.48	0	1	0	0	1	0
TV	0.50	0.50	0	1	0	0	1	0
Phone	0.45	0.50	0	1	0	0	1	0
Internet	0.60	0.49	0	1	0	0	1	0
Car	0.30	0.46	0	1	0	0	1	0
House	0.40	0.50	0	1	0	0	1	0
Land	0.35	0.48	0	1	0	0	1	0
Water	0.45	0.50	0	1	0	0	1	0
Air	0.30	0.46	0	1	0	0	1	0
Fire	0.40	0.50	0	1	0	0	1	0
Earth	0.35	0.48	0	1	0	0	1	0
Wind	0.45	0.50	0	1	0	0	1	0
Light	0.30	0.46	0	1	0	0	1	0
Sound	0.40	0.50	0	1	0	0	1	0
Heat	0.35	0.48	0	1	0	0	1	0
Cold	0.45	0.50	0	1	0	0	1	0
Humidity	0.30	0.46	0	1	0	0	1	0
Pressure	0.40	0.50	0	1	0	0	1	0
WindSpeed	0.35	0.48	0	1	0	0	1	0
CloudCover	0.45	0.50	0	1	0	0	1	0
Precipitation	0.30	0.46	0	1	0	0	1	0
Temperature	0.40	0.50	0	1	0	0	1	0
Humidity	0.35	0.48	0	1	0	0	1	0
Pressure	0.45	0.50	0	1	0	0	1	0
WindSpeed	0.30	0.46	0	1	0	0	1	0
CloudCover	0.40	0.50	0	1	0	0	1	0
Precipitation	0.35	0.48	0	1	0	0	1	0
Temperature	0.45	0.50	0	1	0	0	1	0

Figure 9





96	K D P A K P Q A K G N F W A V D V S L I P A E A L R L Q N T	HUMAN FASTI PROTEIN SEQUENCE
123	K D P A K P Q A K G N F W A V D V S L I P A E A L R L Q N T	MOUSE FASTI PROTEIN SEQUENCE
180	K D P G K P Q A K G N F W T V D V S R I P L D A M K L Q N T	XENOPUS FASTI PROTEIN SEQUENCE
126	A L C R R W Q N G A R G A F A K D L G P Y V L H - - - -	HUMAN FASTI PROTEIN SEQUENCE
153	A L C R R W Q N R G T H R A F A K D L S P Y V L H - - - -	MOUSE FASTI PROTEIN SEQUENCE
210	A L - - - - T R G G S D Y F V Q D L A P Y I L H N Y K Y E	XENOPUS FASTI PROTEIN SEQUENCE
151	- - G R P Y R P P S P P P P P S E - - - - - - - -	HUMAN FASTI PROTEIN SEQUENCE
178	- - G Q P Y Q P P S P P P P P R E - - - - - - - -	MOUSE FASTI PROTEIN SEQUENCE
235	H N A G A Y G H Q M P P S H A R S L S L A E D S Q Q T N T G	XENOPUS FASTI PROTEIN SEQUENCE
166	- - - - G F S I K S L L R R S G E - - - - G A P W P - - -	HUMAN FASTI PROTEIN SEQUENCE
193	- - - - G F S I K S L L G D P G K - - - - E S T W P Q H P	MOUSE FASTI PROTEIN SEQUENCE
265	G K L N T S F M I D S L L H D L Q E V D L P D A S - R - -	XENOPUS FASTI PROTEIN SEQUENCE
184	G L A P Q N S P V P A G - - - - - - - - T G N N G E	HUMAN FASTI PROTEIN SEQUENCE
214	G L P G Q S T A A Q A G - - - - - - - - T L S K G E	MOUSE FASTI PROTEIN SEQUENCE
291	N L E N Q R I S P A V A M N N M W S S A P L L Y T H S K P T	XENOPUS FASTI PROTEIN SEQUENCE
202	E A V P T P P L P S S E R P L W P L C P L P G P T R V E G E	HUMAN FASTI PROTEIN SEQUENCE
232	E G M G T G P S S S E T P L W P L C S L P G P T I I E G E	MOUSE FASTI PROTEIN SEQUENCE
321	R N A R S P G L S T I H S T Y - - - S S S S S I S T I S	XENOPUS FASTI PROTEIN SEQUENCE
232	T V - - Q G G A M G P Q P S P Q S L G P - G L S T T A G H R	HUMAN FASTI PROTEIN SEQUENCE
262	S S - - Q G E V I R P S P V T P D Q G S W P L H L E D S A	MOUSE FASTI PROTEIN SEQUENCE
347	P V I G F Q K E Q E K S G R Q T Q R V G H - P I K R S R E D D	XENOPUS FASTI PROTEIN SEQUENCE

